Global and Phylogenetic Distribution of Quorum Sensing Signals, Acyl Homoserine Lactones, in the Family of Vibrionaceae

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Correction

Correction: Rasmussen, B.B., *et al.* Global and Phylogenetic Distribution of Quorum Sensing Signals, Acyl Homoserine Lactones, in the Family of Vibrionaceae. *Mar. Drugs* 2014, *12*, 5527–5546

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The authors wish to make the following corrections to this paper [1]: Due to duplicated and missing data in Table 3, Page 5533, replace:

Table 3. AHLs in 32 Vibrionaceae strains tested against *C. violaceum* (*Cv*) and *A. tumefaciens* (*At*) using biomass or acidified EtOAc extracts and AHLs detected by UHPLC-DAD-QTOFMS; numbers demonstrate the peak area of the AHL in the chromatogram of the first run; numbers in brackets demonstrate the peak area of the AHL in the chromatogram of the second run; the total no. of occurrences/AHL does not include the reference strain *V. anguillarum* 90-11-287.

Strain	AHL Response in Biomass Screen		AHL Response in Extract Well Assay		No of AHL/Strain	Peak Area (1000 Counts) of AHL in Chromatogram								
	Cv	*At*	*Cv*	*At*		C4	C6	C7	C8	C12	OH-C4	OH-C6	OH-C4	OH-C6
S0188 [a]	−	+	+	+	9	ND	(114) [c]	178 [b]	ND	ND	32 [b] (161) [b]	880 [b] (4822) [b]	32 [b] (161) [b]	880 [b] (4822) [b]
S0202	−	+	−	+	5	ND	ND	ND	ND	ND	ND	118 [c] (1659) [b]	ND	118 [c] (1659) [b]
S0203 [a]	−	+	+	+	7	ND	ND	ND	ND	ND	40 [b] (3709) [b]	964 [b] (6479) [b]	40 [b] (3709) [b]	964 [b] (6479) [b]
S0207	+	+	−	+	4	ND	ND	ND	ND	ND	ND	167 [c] (1807) [b]	ND	167 [c] (1807) [b]
S0209 [a]	+	+	+	+	8	ND	(116) [b]	ND	ND	ND	17 [c] (342) [b]	627 [b] (4297) [b]	17 [c] (342) [b]	627 [b] (4297) [b]
S0273 [a]	+	+	+	+	7	ND	ND	ND	ND	ND	28 [b] (273) [b]	896 [b] (5918) [b]	28 [b] (273) [b]	896 [b] (5918) [b]
S0344	+	−	−	−	2	92 [b] (5352) [b]	ND	ND	ND	ND	(50)[b]	ND	(50)[b]	ND
S0787	−	+	−	+	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
S0821	+	+	+	+	6	ND	ND	ND	57 [b] (6284) [b]	ND	ND	ND	ND	ND
S0843 [a]	+	−	+	+	2	317 [b] (11974) [b]	ND	ND	ND	ND	(94)[b]	ND	(94)[b]	ND
S0845	+	−	−	−	1	83 [b] (5009) [b]	ND	ND	ND	ND	ND	ND	ND	ND
S1073 [a]	−	+	−	+	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1089	−	+	−	+	4	ND	ND	ND	ND	(125322) [b]	310 [b] (2279) [b]	(119) [b]	310 [b] (2279) [b]	(119) [b]
S1106	+	+	−	+	4	ND	ND	ND	ND	ND	ND	140 [c] (2050) [b]	ND	140 [c] (2050) [b]
S1110	+	+	−	+	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1137	+	+	−	+	2	ND	ND	ND	ND	ND	ND	210 [c] (3154) [b]	ND	210 [c] (3154) [b]
S1162	−	+	−	+	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1192	−	+	−	+	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1194	−	+	−	−	2	ND	ND	ND	ND	ND	61 [b] (491) [b]	ND	61 [b] (491) [b]	ND
S1196	−	+	−	+	2	ND	ND	ND	ND	ND	163 [b] (1425) [b]	ND	163 [b] (1425) [b]	ND
S1728	−	+	−	+	4	ND	ND	ND	ND	ND	ND	61 [c] (617) [b]	ND	61 [c] (617) [b]
S1729	−	+	+	+	7	ND	ND	ND	53 [b] (5170) [b]	ND	ND	268 [c] (2943) [b]	ND	268 [c] (2943) [b]
S1730	−	+	−	+	5	ND	ND	ND	ND	ND	ND	142 [c] (2643) [b]	ND	142 [c] (2643) [b]
S1732	−	+	−	+	5	ND	ND	ND	ND	ND	ND	201 [c] (2201) [b]	ND	201 [c] (2201) [b]
S2605	+	−	−	+	1	ND	ND	ND	ND	ND	ND	33 [c] (369) [b]	ND	33 [c] (369) [b]
S2606 [a]	+	−	+	+	6	ND	(773) [c]	806 [b]	ND	ND	(90)[b]	961 [b] (6248) [b]	(90) [b]	961 [b] (6248) [b]
S2719	+	−	−	+	2	77 [b] (4578) [c]	(54) [c]	ND	ND	ND	ND	ND	ND	ND
S2757	+	+	+	+	3	ND	(69) [c]	ND	ND	ND	ND	364 [c] (5464) [b]	ND	364 [c] (5464) [b]
S3857	+	+	+	+	2	ND	52 [c] (5321) [b]	ND	(768) [b]	ND	ND	ND	ND	ND
S4497 [a]	+	−	+	+	3	19 [b] (917) [b]	286 [b] (12817) [b]	631 [b]	ND	ND	ND	ND	ND	ND
S4634	+	−	−	+	1	ND	ND	ND	ND	ND	ND	(148) [b]	ND	(148) [b]
S4738 [a]	−	+	−	+	1	ND	ND	ND	ND	ND	219 [b] (2638) [b]	ND	219 [b] (2638) [b]	ND
90-11-287	−	+	+	+	3	ND	ND	ND	ND	ND	ND	192 [c] (2162) [b]	ND	192 [c] (2162) [b]
No of occurrences/AHL						5	7	3	3	1	11	17	11	17

With: **Table 3.** AHLs in 32 Vibrionaceae strains tested against *C. violaceum* (*Cv*) and *A. tumefaciens* (*At*) using biomass or acidified EtOAc extracts and AHLs detected by UHPLC-DAD-QTOFMS; numbers demonstrate the peak area of the AHL in the chromatogram of the first run; numbers in brackets demonstrate the peak area of the AHL in the chromatogram of the second run; the total no. of occurrences/AHL does not include the reference strain *V. anguillarum* 90-11-287.

Strain	AHL Response in Biomass Screen		AHL Response in Extract Well Assay		No of AHL/Strain	Peak Area (1000 Counts) of AHL in Chromatogram								
	Cv	*At*	*Cv*	*At*		C4	C6	C7	C8	C12	OH-C4	OH-C6	OH-C7	OH-C8
S0188 [a]	−	+	+	+	9	ND	(114) [c]	178 [b]	ND	ND	32 [b] (161) [b]	880 [b] (4822) [b]	15 [c]	176 [b] (1287) [b]
S0202	−	+	−	+	5	ND	ND	ND	ND	ND	ND	118 [c] (1659) [b]	ND	ND
S0203 [a]	−	+	+	+	7	ND	ND	ND	ND	ND	40 [b] (3709) [b]	964 [b] (6479) [b]	18 [b]	193 [b] (1061) [b]
S0207	+	+	−	+	4	ND	ND	ND	ND	ND	ND	167 [c] (1807) [b]	ND	ND
S0209 [a]	+	+	+	+	8	ND	(116) [b]	ND	ND	ND	17 [c] (342) [b]	627 [b] (4297) [b]	21 [c]	106 [b] (1747) [b]
S0273 [a]	+	+	+	+	7	ND	ND	ND	ND	ND	28 [b] (273) [b]	896 [b] (5918) [b]	13 [c]	199 [b] (1007) [b]
S0344	+	−	−	−	2	92 [b] (5352) [b]	ND	ND	ND	ND	(50)[b]	ND	ND	ND
S0787	−	+	−	+	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
S0821	+	+	+	+	6	ND	ND	ND	57 [b] (6284) [b]	ND	ND	ND	ND	ND
S0843 [a]	+	−	+	+	2	317 [b] (11974) [b]	ND	ND	ND	ND	(94)[b]	ND	ND	ND
S0845	+	−	−	−	1	83 [b] (5009) [b]	ND	ND	ND	ND	ND	ND	ND	ND
S1073 [a]	−	+	−	+	0	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1089	−	+	−	+	4	ND	ND	ND	ND	(125322) [b]	310 [b] (2279) [b]	(119) [b]	ND	ND
S1106	+	+	−	+	4	ND	ND	ND	ND	ND	ND	140 [c] (2050) [b]	ND	ND
S1110	+	+	−	+	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1137	+	+	−	+	2	ND	ND	ND	ND	ND	ND	210 [c] (3154) [b]	ND	14 [c] (154) [b]
S1162	−	+	−	+	8	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1192	−	+	−	+	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
S1194	−	+	−	−	2	ND	ND	ND	ND	ND	61 [b] (491) [b]	ND	ND	ND
S1196	−	+	−	+	2	ND	ND	ND	ND	ND	163 [b] (1425) [b]	ND	ND	ND
S1728	−	+	−	+	4	ND	ND	ND	ND	ND	ND	61 [c] (617) [b]	ND	ND
S1729	−	+	+	+	7	ND	ND	ND	53 [b] (5170) [b]	ND	ND	268 [c] (2943) [b]	ND	ND
S1730	−	+	−	+	5	ND	ND	ND	ND	ND	ND	142 [c] (2643) [b]	ND	ND
S1732	−	+	−	+	5	ND	ND	ND	ND	ND	ND	201 [c] (2201) [b]	ND	ND
S2605	+	−	−	+	1	ND	ND	ND	ND	ND	ND	33 [c] (369) [b]	ND	ND
S2606 [a]	+	−	+	+	6	ND	(773) [c]	806 [b]	ND	ND	(90)[b]	961 [b] (6248) [b]	57 [b] (1663) [b]	38 [b] (285) [b]
S2719	+	−	−	+	2	77 [b] (4578) [c]	(54) [c]	ND	ND	ND	ND	ND	ND	ND
S2757	+	+	+	+	3	ND	(69) [c]	ND	ND	ND	ND	364 [c] (5464) [b]	ND	ND
S3857	+	+	+	+	2	ND	52 [c] (5321) [b]	ND	(768) [b]	ND	ND	ND	ND	ND
S4497 [a]	+	−	+	+	3	19 [b] (917) [b]	286 [b] (12817) [b]	631 [b]	ND	ND	ND	ND	ND	ND
S4634	+	−	−	+	1	ND	ND	ND	ND	ND	ND	(148) [b]	ND	ND
S4738 [a]	−	+	−	+	1	ND	ND	ND	ND	ND	219 [b] (2638) [b]	ND	ND	ND
90-11-287	−	+	+	+	3	ND	ND	ND	ND	ND	ND	192 [c] (2162) [b]	ND	ND
No of occurrences/AHL						5	7	3	3	1	11	17	5	6

The authors would like to apologize for any inconvenience caused to the readers by these changes.

Reference

1. Rasmussen, B.B.; Nielsen, K.F.; Machado, H.; Melchiorsen, J.; Gram, L.; Sonnenschein, E.C. Global and phylogenetic distribution of quorum sensing signals, acyl homoserine lactones, in the family of Vibrionaceae. *Mar. Drugs* **2014**, *12*, 5527–5546.